## Best Available Copy

## INTERNATIONAL SEARCH REPORT

Internation No PCT/JP2005/012728

- C: 400		<del></del>						
A. CLASSI IPC 7	IFICATION OF SUBJECT MATTER H04B1/38 H04M1/725							
	·							
<del>                                     </del>	to International Patent Classification (IPC) or to both national classific SEARCHED	cation and IPC	<del></del>					
	SEARCHED ocumentation searched (classification system followed by classification	tion symbols)						
IPC 7 H04B H04M								
Documenta	tion searched other than minimum documentation to the extent that s	such documents are included in the fields s	earched					
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)								
EPO-In	ternal, WPI Data, PAJ							
	ENTS CONSIDERED TO BE RELEVANT							
Category °	Citation of document, with indication, where appropriate, of the rel	levant passages	Relevant to claim No.					
х	US 6 640 113 B1 (SHIM JAE H ET AL	L)	1-7					
	28 October 2003 (2003-10-28)	-•	_					
	the whole document							
Х	EP 1 128 644 A (SONY CORPORATION)	<b>)</b> .·	1-7					
.	29 August 2001 (2001-08-29) the whole document	•						
Α	US 6 424 820 B1 (BURDICK WAYNE A 23 July 2002 (2002-07-23)	ET AL)	1–7					
	the whole document	•						
Α	EP 1 199 842 A (SYMBOL TECHNOLOGI	TES INC)	1–7					
^	24 April 2002 (2002-04-24)	IES, INC/	1-1					
	the whole document							
	· .	i						
Further documents are listed in the continuation of box C.  X Patent family members are listed in annex.								
		"T" later document published after the inte or priority date and not in conflict with	mational filing date					
consid	ent defining the general state of the art which is not lered to be of particular relevance	cited to understand the principle or the invention						
filing d	ate	"X" document of particular relevance; the c cannot be considered novel or cannot	laimed invention be considered to					
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "L" document which may throw doubts on priority claim(s) or involve an inventive step when the document is take which is cited to establish the publication date of another citation or other special reason (as specified)  "Y" document of particular relevance; the claimed inventive step when the document is take which is cited to establish the publication date of another citation or other special reason (as specified)								
"O" docume	ventive step when the ore other such docu-							
"P" docume	other means ments, such combination being obvious to a person skilled in the art.							
	nan the priority date claimed actual completion of the international search	"&" document member of the same patent  Date of malling of the international sea						
Date of maining of the international search								
1	1 October 2005	17/10/2005						
Name and m	nailing address of the ISA	Authorized officer						
	European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl,							
	Ear (131-70) 340, 3016	Lindhardt. U						

## Best Available Copy

## INTERNATIONAL SEARCH REPORT

Information on patent family members

Internal Application No PCT/JP2005/012728

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6640113	B1	28-10-2003	NONE	
EP 1128644	Α	29-08-2001	JP 2001236138 A US 2001018351 A1	31-08-2001 30-08-2001
US 6424820	B1	23-07-2002	NONE	
EP 1199842	A	24-04-2002	AU 6559301 A BR 0105645 A JP 2002319948 A TW 532020 B US 2005192048 A1 US 6895255 B1 ZA 200106846 A	02-05-2002 28-05-2002 31-10-2002 11-05-2003 01-09-2005 17-05-2005 05-08-2002